

# SEQUENCE LISTING

<110> The Secretary of State for Defence in Her Britannic Majesty's  
Government of the United Kingdom of Great Britain and Northern Ireland  
Tisi, Laurence C  
Murray, James AH  
Lowe, Christopher R  
White, Peter J  
Murphy, Melanie J  
Price, Rachel L  
Squirrell, David

<120> Novel enzyme

<130> IPD/P1206/WOD

<140> PCT/GB99/03538

<141> 1999-10-26

<150> GB 9823468.5

<151> 1998-10-28

<160> 35

<170> PatentIn Ver. 2.1

<210> 1

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 1

cgccggtgag ctccccgccg ccg

23

<210> 2

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 2

cggcggcggg gagctcaccg gcg

23

<210> 3

<211> 51

<212> DNA  
 <213> Artificial Sequence  
  
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 <223> Description of Artificial Sequence:  
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 <210> 4  
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 <223> Description of Artificial Sequence:  
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 <210> 5  
 <211> 32  
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 <210> 6  
 <211> 32  
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     Oligonucleotide  
  
 <400> 6  
 cctctagcgg ataggctggt gccgggcctt tc 32  
  
 <210> 7  
 <211> 36  
 <212> DNA  
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Oligonucleotide	
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<p>&lt;400&gt; 8  gtgtggaatt gtgagcgg</p>	18
<p>&lt;210&gt; 9  &lt;211&gt; 21  &lt;212&gt; DNA  &lt;213&gt; Artificial Sequence</p>	
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<p>&lt;400&gt; 9  gagatacgcc gcggttcctg g</p>	21
<p>&lt;210&gt; 10  &lt;211&gt; 21  &lt;212&gt; DNA  &lt;213&gt; Artificial Sequence</p>	
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<p>&lt;210&gt; 11  &lt;211&gt; 30  &lt;212&gt; DNA  &lt;213&gt; Artificial Sequence</p>	
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<210> 12  
<211> 30  
<212> DNA  
<213> Artificial Sequence

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Oligonucleotide

<400> 12  
gagtgcctttt ggccaggaat gaaaataggg

30

<210> 13  
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<212> DNA  
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Oligonucleotide

<400> 13  
ccgcatagag ctctctgcgt cagattc

27

<210> 14  
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Oligonucleotide

<400> 14  
gaatctgacg cagagagctc tatgcgg

27

<210> 15  
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<212> DNA  
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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 15  
gttgaccgct tgggacacctt aattaaatac

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<210> 16  
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<212> DNA  
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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 16

gtatagattt gaaaaagagc tg

22

<210> 17

<211> 22

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 17

cagctctttt tcaaattctat ac

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<210> 18

<211> 22

<212> DNA

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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 18

ggctacatac tggagacata gc

22

<210> 19

<211> 22

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 19

gctatgtctc cagtatgtag cc

22

<210> 20

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 20  
gcagttgcgc ccgtgaacga c 21

<210> 21  
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Oligonucleotide

<400> 21  
gtcggttcacg ggcgcaactg c 21

<210> 22  
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Oligonucleotide

<400> 22  
caaatcattc cgggtactgc gattttaag 29

<210> 23  
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Oligonucleotide

<400> 23  
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<210> 24  
<211> 27  
<212> DNA  
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Oligonucleotide

<400> 24  
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<210> 25

<211> 27  
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 <400> 25  
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<210> 26  
 <211> 22  
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 <400> 26  
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<210> 27  
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 <400> 27  
 catccccctt ggggtgtaatc ag 22

<210> 28  
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 <222> (15)  
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<220>  
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<223> n=a or g or c or t  
  
<400> 28  
cccttcgca tagannngcc tgcgtcagt

29

<210> 29  
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<212> DNA  
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<223> Description of Artificial Sequence:  
Oligonucleotide

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<400> 29  
actgacgcag gcnntctat gcggaaggg

29

<210> 30  
<211> 25  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 30  
gcaatcaaat cgctccggat actgc

25

<210> 31  
<211> 25  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence:



Oligonucleotide

<400> 31  
gcagtatccg gagcgatttg attgc 25

<210> 32  
<211> 20  
<212> DNA  
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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 32  
ccattccatc aaggttttgg 20

<210> 33  
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<223> Description of Artificial Sequence:  
Oligonucleotide

<400> 33  
ccaaaacctt gatggaatgg 20

<210> 34  
<211> 25  
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<223> Description of Artificial Sequence: Primer

<400> 34  
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<210> 35  
<211> 36  
<212> DNA  
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<223> Description of Artificial Sequence: Primer

<400> 35  
aat taactcg aggaatttcg tcatcgctga atacag 36